

Title (en)
INTERFACE MODULE OF AN ELECTRIC MOTOR FOR CALCULATING THE SERVICE LIFE OF A BEARING

Title (de)
SCHNITTSTELLENMODULVORRICHTUNG FÜR EINE ELEKTRISCHE MASCHINE ZUR LEBENSDAUERBERECHNUNG EINES LAGERS

Title (fr)
DISPOSITIF DE MODULE D'INTERFACE DESTINE A UNE MACHINE ELECTRIQUE, CONÇU POUR CALCULER LA DUREE DE VIE D'UN PALIER

Publication
EP 1902293 B1 20100512 (DE)

Application
EP 06764059 A 20060704

Priority
• EP 2006063863 W 20060704
• DE 102005032720 A 20050713

Abstract (en)
[origin: WO2007006691A1] The aim of the invention is to reduce the resources required to monitor the bearings of an electric motor. To achieve this, the electric motor is equipped with an interface module (SM), which is used to calculate the remaining service life of a bearing (LA). Said interface module (SM) can be integrated into the motor or can be fitted to the latter. The remaining service life of the bearing (LA) can be estimated from the signal of a rotary transducer (GB) and optionally a temperature sensor (TS).

IPC 8 full level
G01M 13/04 (2006.01)

CPC (source: EP US)
F16C 19/52 (2013.01 - EP US); **G01M 13/04** (2013.01 - EP US); **H02K 11/20** (2016.01 - EP US); **H02K 11/21** (2016.01 - EP US); **H02K 11/25** (2016.01 - EP US); **F16C 2380/26** (2013.01 - EP US)

Cited by
CN113196030A; DE102019201216A1; WO2020156745A1; DE102019201216B4

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2007006691 A1 20070118; AT E467827 T1 20100515; CN 101213436 A 20080702; CN 101213436 B 20110608; DE 102005032720 A1 20070125; DE 102005032720 B4 20070405; DE 502006006940 D1 20100624; EP 1902293 A1 20080326; EP 1902293 B1 20100512; JP 2009501508 A 20090115; US 2008216576 A1 20080911; US 7712367 B2 20100511

DOCDB simple family (application)
EP 2006063863 W 20060704; AT 06764059 T 20060704; CN 200680024476 A 20060704; DE 102005032720 A 20050713; DE 502006006940 T 20060704; EP 06764059 A 20060704; JP 2008520843 A 20060704; US 99560606 A 20060704